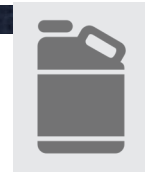




2021 LEGEND SEEDS

NITROGEN STRIP TRIAL RESULTS



PLOT HIGHLIGHTS

CUSHING, WI
POLK COUNTY

SOYBEANS
PREVIOUS CROP

32,500
SEEDING RATE

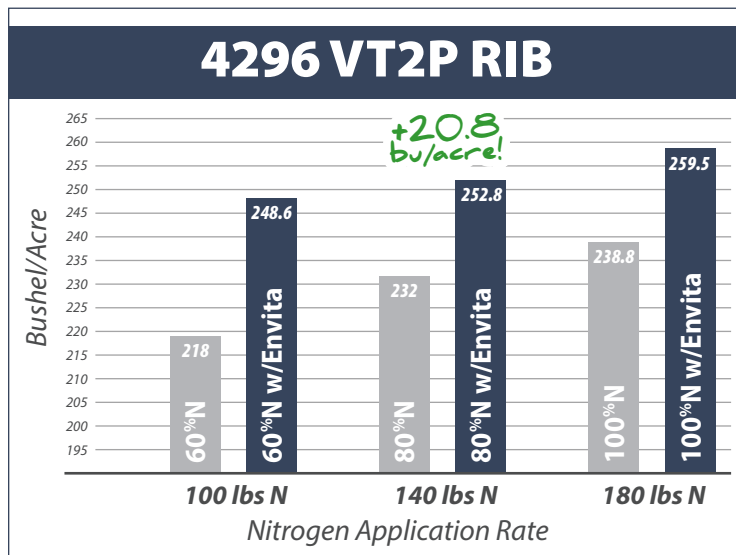
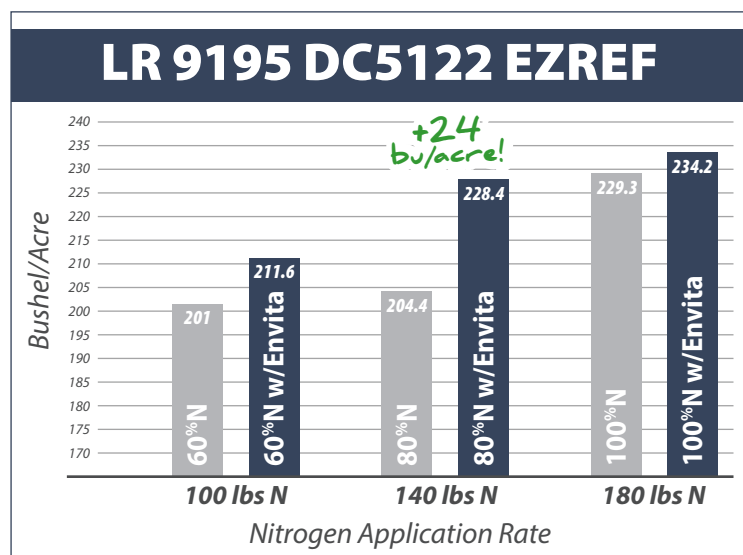
CLAY LOAM
SOIL

MAY 12, 2021
PLANTED

OCT. 24, 2021
HARVESTED

Legend Seeds believes in the proof of concept. Biologicals are no exception. In 2021, a nitrogen strip trial was conducted near Cushing, Wisconsin to review the impacts of Envita (nitrogen fixing biological) at various nitrogen rates.

For evaluation purposes and to gain a sense of the Envita and nitrogen benefit, nitrogen was applied at 180 lbs, 140 lbs, and 100 lbs of nitrogen with and without Envita. Envita has a use rate of 3.2 fluid ounces per acre and was applied foliar. Envita can also be used as an in furrow application option at the same rate.



Results Showed:

- Additional corn yield was experienced with Envita on both hybrids compared to the 100% rate without Envita showing Envita PAYS when 100% of N is applied, AND when N rates were cut by 20%.
- Additional corn yield was achieved at any nitrogen rate when Envita was applied in this trial.
- The average largest return from the use of Envita was at the medium nitrogen rate (22.4 bu/acre avg. advantage). This supports the concept that Envita does not provide the total nitrogen requirement, rather it supplements and supports production. These results also suggest a higher return in using Envita where there is risk of losing nitrogen OR where higher rates can't or shouldn't be applied.



To see more seed treatment trial results, visit <https://legendseeds.net/locally-proven/seed-treatment-trial-data>.

